

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION

FACT SHEET

(Pursuant to NAC 445A.874)

Permittee Name: **Washoe County Dept. Water Resources / Utilities Division**

Type of Project: **Aquifer Storage and Recovery**

Project Name: **Golden Valley ASR**

Address: **4930 Energy Way**

Permit Action: **Renewal - UIC Permit**

Reno, Nevada 89502

Permit Number: **UNEV91008**

Injection Wells (#): **Four (4)**

A. Description of Discharge

Location: Three injection wells located in eastern Golden Valley, NE¼ of Section 11, T.20., R.19E., Latitude: 39° 37' 0"N; Longitude: 119° 49' 0"W, Washoe County, Nevada.

Characteristics: All injectate is treated Truckee River water delivered according to an agreement with Westpac Utilities for the purpose of aquifer recharge. The water meets all primary and secondary drinking water standards.

B. Synopsis

Treated Truckee River water is delivered to the Golden Valley site through a closed system. Treatment for municipal supply by Westpac Utilities prior to delivery will be followed by carbon filtration on-site. Three 8-inch diameter injection wells approximately 250 feet deep are at a location in eastern Golden Valley. Injection is under low pressure or gravity flow to a zone approximately 250 feet below the ground surface. Groundwater is produced, for domestic supply, from a shallow alluvial aquifer present from the water table down to a depth of about 120 feet, and an underlying fractured bedrock aquifer which extends to depths beyond 300 feet. The present average water level is estimated to be between 170 and 190 feet below the ground surface. Recharge project goals include injection of 250-acre feet on an annual basis to help offset overdraft of the aquifers. Water chemistry and water levels will be closely monitored during injection and production cycles. Washoe County has acquired the necessary water rights and has gained the support or approval of the major interests in Truckee River water.

C. Receiving Water Characteristics

The receiving water will be ground water of the Golden Valley alluvial aquifers. Water meets all water quality standards and is currently used for municipal supply. Modeling indicates that injectate and receiving waters are chemically compatible.

D. Procedures for Public Comment

The Notice of the Division's intent to issue a permit authorizing the facility to discharge to the ground water of the State of Nevada is being sent to the Reno Gazette-Journal for publication. The notice is being mailed to interested persons on our mailing list (see Attachment A). Anyone wishing to comment on the proposed permit can do so in writing for a period of 30 days following the date of the public notice. The comment period can be extended at the discretion of the Administrator. All written comments received during the comment period will be retained and considered in the final determination.

A public hearing on the proposed determination can be requested by the applicant, any affected state, any affected interstate agency, the regional administrator of EPA Region IX or any interested agency, person or group of persons.

Any public hearing determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determines to be appropriate. All public hearings will be conducted in accordance with NAC 445A.238.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

E. **Proposed Determination**

The Division has made the tentative determination to reissue the proposed permit.

F. **Proposed Effluent Limitations and Special Conditions**

See Part I.A of the permit.

G. **Rationale for Permit Requirements**

Verification that the quality of water injected remains constant and confirmation that injection of water does not adversely affect the existing hydrologic regime.

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Date: July 29, 2008